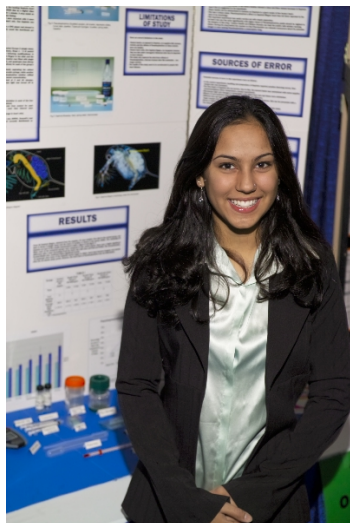


CWSF 2005 - Vancouver, British Columbia



Sarah Ali

The Effect of Pseudoephedrine on the Heart

Division: Health Sciences

Category: Junior

Region: York

City: Thornhill, ON

School: As-Sadiq Islamic School

Abstract: Reports of cold remedies causing heart attacks led to this unique study. Digital video microscopy of *Daphnia magna* hearts, known to be similar to human hearts, when exposed to Pseudoephedrine showed progressive and dangerous increase in heart rate. Extrapolation to humans suggests one of the many reasons for heart attacks.

Awards	Value
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Health Sciences - Junior Sponsor: Canadian Institutes of Health Research	\$700
Total	\$2 200